

## Freeform Search

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<b>Database:</b>	US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins
<b>Term:</b>	L5 and (560/\$ or 562/\$)
<b>Display:</b>	<input type="text" value="10"/> Documents in <b>Display Format:</b> <input type="text" value="TI"/> Starting with Number <input type="text" value="1"/>
<b>Generate:</b> <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image	

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### Search History

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DATE: Sunday, July 23, 2006    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L6</u>	L5 and (560/\$ or 562/\$)	3	<u>L6</u>
<u>L5</u>	GABAPENTIN and TANN\$8	30	<u>L5</u>
<u>L4</u>	GABAPENTIN same TANN\$8	7	<u>L4</u>
<u>L3</u>	GABAPENTIN same TANNIC ACID	6	<u>L3</u>
<u>L2</u>	GABAPENTIN WITH TANNIC ACID	4	<u>L2</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L1</u>	GABAPENTIN WITH TANNIC ACID	0	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

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Search Results - Record(s) 1 through 10 of 30 returned.

☐ 1. Document ID: US 7078423 B2

L5: Entry 1 of 30

File: USPT

Jul 18, 2006

US-PAT-NO: 7078423

DOCUMENT-IDENTIFIER: US 7078423 B2

TITLE: 5-Aryltetrazole compounds, compositions thereof, and uses therefor

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040019208 A1

January 29, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 2. Document ID: US 7071335 B2

L5: Entry 2 of 30

File: USPT

Jul 4, 2006

US-PAT-NO: 7071335

DOCUMENT-IDENTIFIER: US 7071335 B2

TITLE: 2-pyridinyl-1-piperazine therapeutic agents useful for treating pain

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040044003 A1

March 4, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 3. Document ID: US 6995168 B2

L5: Entry 3 of 30

File: USPT

Feb 7, 2006

US-PAT-NO: 6995168

DOCUMENT-IDENTIFIER: US 6995168 B2

TITLE: Triazaspiro compounds useful for treating or preventing pain

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050009854 A1

January 13, 2005

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 4. Document ID: US 6994857 B2

L5: Entry 4 of 30

File: USPT

Feb 7, 2006

US-PAT-NO: 6994857

DOCUMENT-IDENTIFIER: US 6994857 B2

TITLE: Albumin fusion proteins

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20030125247 A1

July 3, 2003

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 5. Document ID: US 6974818 B2

L5: Entry 5 of 30

File: USPT

Dec 13, 2005

US-PAT-NO: 6974818

DOCUMENT-IDENTIFIER: US 6974818 B2

TITLE: 1,2,5-thiadiazol-3-YL-piperazine therapeutic agents useful for treating pain

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 6. Document ID: US 6946134 B1

L5: Entry 6 of 30

File: USPT

Sep 20, 2005

US-PAT-NO: 6946134

DOCUMENT-IDENTIFIER: US 6946134 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Albumin fusion proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 7. Document ID: US 6926898 B2

L5: Entry 7 of 30

File: USPT

Aug 9, 2005

US-PAT-NO: 6926898

DOCUMENT-IDENTIFIER: US 6926898 B2

TITLE: Albumin fusion proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn De
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☐ 8. Document ID: US 6923988 B2

L5: Entry 8 of 30

File: USPT

Aug 2, 2005

US-PAT-NO: 6923988

DOCUMENT-IDENTIFIER: US 6923988 B2

TITLE: Solid carriers for improved delivery of active ingredients in pharmaceutical compositions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn De
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☐ 9. Document ID: US 6905688 B2

L5: Entry 9 of 30

File: USPT

Jun 14, 2005

US-PAT-NO: 6905688

DOCUMENT-IDENTIFIER: US 6905688 B2

TITLE: Albumin fusion proteins

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn De
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☐ 10. Document ID: US 6864261 B2

L5: Entry 10 of 30

File: USPT

Mar 8, 2005

US-PAT-NO: 6864261

DOCUMENT-IDENTIFIER: US 6864261 B2

TITLE: Therapeutic agents useful for treating pain

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Drawn De
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Search Results - Record(s) 11 through 20 of 30 returned.

☐ 11. Document ID: US 6855735 B2

L5: Entry 11 of 30

File: USPT

Feb 15, 2005

US-PAT-NO: 6855735

DOCUMENT-IDENTIFIER: US 6855735 B2

TITLE: Ketamine treatment of restless legs syndrome

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 12. Document ID: US 6812248 B2

L5: Entry 12 of 30

File: USPT

Nov 2, 2004

US-PAT-NO: 6812248

DOCUMENT-IDENTIFIER: US 6812248 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: Prevention and treatment of degenerative diseases by glutathione and phase II detoxification enzymes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 13. Document ID: US 6740641 B2

L5: Entry 13 of 30

File: USPT

May 25, 2004

US-PAT-NO: 6740641

DOCUMENT-IDENTIFIER: US 6740641 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: Sugar derivatives of hydromorphone, dihydromorphone and dihydromorphone, compositions thereof and uses for treating or preventing pain

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 14. Document ID: US 6720001 B2

L5: Entry 14 of 30

File: USPT

Apr 13, 2004

US-PAT-NO: 6720001

DOCUMENT-IDENTIFIER: US 6720001 B2

TITLE: Emulsion compositions for polyfunctional active ingredients

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 15. Document ID: US 6617358 B1

L5: Entry 15 of 30

File: USPT

Sep 9, 2003

US-PAT-NO: 6617358

DOCUMENT-IDENTIFIER: US 6617358 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Anticonvulsant and central nervous system-depressing bis(fluorophenyl) alkylamides and their uses

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 16. Document ID: US 6602902 B2

L5: Entry 16 of 30

File: USPT

Aug 5, 2003

US-PAT-NO: 6602902

DOCUMENT-IDENTIFIER: US 6602902 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: Dha-pharmaceutical agent conjugates to improve tissue selectivity

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 17. Document ID: US 6589985 B2

L5: Entry 17 of 30

File: USPT

Jul 8, 2003

US-PAT-NO: 6589985

DOCUMENT-IDENTIFIER: US 6589985 B2

TITLE: Carbamate compounds for use in preventing or treating movement disorders

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 18. Document ID: US 6576636 B2

L5: Entry 18 of 30

File: USPT

Jun 10, 2003

US-PAT-NO: 6576636

DOCUMENT-IDENTIFIER: US 6576636 B2

TITLE: Method of treating a liver disorder with fatty acid-antiviral agent

conjugates

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 19. Document ID: US 6569463 B2

L5: Entry 19 of 30

File: USPT

May 27, 2003

US-PAT-NO: 6569463

DOCUMENT-IDENTIFIER: US 6569463 B2

TITLE: Solid carriers for improved delivery of hydrophobic active ingredients in pharmaceutical compositions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 20. Document ID: US 6531464 B1

L5: Entry 20 of 30

File: USPT

Mar 11, 2003

US-PAT-NO: 6531464

DOCUMENT-IDENTIFIER: US 6531464 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Methods for the treatment of neurodegenerative disorders using substituted phenanthridinone derivatives

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 21. Document ID: US 6383471 B1

L5: Entry 21 of 30

File: USPT

May 7, 2002

US-PAT-NO: 6383471

DOCUMENT-IDENTIFIER: US 6383471 B1

TITLE: Compositions and methods for improved delivery of ionizable hydrophobic therapeutic agents

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 22. Document ID: US 6248363 B1

L5: Entry 22 of 30

File: USPT

Jun 19, 2001

US-PAT-NO: 6248363

DOCUMENT-IDENTIFIER: US 6248363 B1

TITLE: Solid carriers for improved delivery of active ingredients in pharmaceutical compositions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 23. Document ID: US 5795909 A

L5: Entry 23 of 30

File: USPT

Aug 18, 1998

US-PAT-NO: 5795909

DOCUMENT-IDENTIFIER: US 5795909 A

TITLE: DHA-pharmaceutical agent conjugates of taxanes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
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☐ 24. Document ID: US 5068413 A

L5: Entry 24 of 30

File: USPT

Nov 26, 1991

US-PAT-NO: 5068413

DOCUMENT-IDENTIFIER: US 5068413 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for the preparation of cyclic amino acids and intermediates useful in the process

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 25. Document ID: WO 2004093867 A2

L5: Entry 25 of 30

File: EPAB

Nov 4, 2004

PUB-NO: WO2004093867A2

DOCUMENT-IDENTIFIER: WO 2004093867 A2

TITLE: PHENOLIC ACID SALTS OF GABAPENTIN IN LIQUID AND/OR SEMI-SOLID DOSAGE FORMS AND METHODS OF USE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 26. Document ID: WO 2004093866 A1

L5: Entry 26 of 30

File: EPAB

Nov 4, 2004

PUB-NO: WO2004093866A1

DOCUMENT-IDENTIFIER: WO 2004093866 A1

TITLE: PROCESS FOR PREPARING PHENOLIC ACID SALTS OF GABAPENTIN

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 27. Document ID: WO 2004093827 A2

L5: Entry 27 of 30

File: EPAB

Nov 4, 2004

PUB-NO: WO2004093827A2

DOCUMENT-IDENTIFIER: WO 2004093827 A2

TITLE: PHENOLIC ACID SALTS OF GABAPENTIN IN SOLID DOSAGE FORMS AND METHODS OF USE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 28. Document ID: EP 1628656 A2, US 20040192618 A1, WO 2004093867 A2

L5: Entry 28 of 30

File: DWPI

Mar 1, 2006

DERWENT-ACC-NO: 2004-717887

DERWENT-WEEK: 200617

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TITLE: Preparation of a pharmaceutical composition, useful to treat conditions of the central nervous system, comprises reaction of gabapentin with tannic acid to produce a gabapentin tannate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 29. Document ID: EP 1622603 A2, US 20040192616 A1, WO 2004093827 A2

L5: Entry 29 of 30

File: DWPI

Feb 8, 2006

DERWENT-ACC-NO: 2004-717886

DERWENT-WEEK: 200611

COPYRIGHT 2006 DERWENT INFORMATION LTD

TITLE: Preparation of a composition, useful for treating a condition of the central nervous system, comprises reacting gabapentin with tannic acid to produce a gabapentin tannate in a solid dosage form

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 30. Document ID: WO 2004093866 A1, US 20040192617 A1

L5: Entry 30 of 30

File: DWPI

Nov 4, 2004

DERWENT-ACC-NO: 2004-708709

DERWENT-WEEK: 200472

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TITLE: Preparation of gabapentin tannate for human and veterinary pharmaceutical use involves mixing gabapentin and tannic acid in presence of solvent followed by isolation and purification

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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<http://www.cas.org/ONLINE/UG/regprops.html>

=> s gabapentin/cn

L1 1 GABAPENTIN/CN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 60142-96-3 REGISTRY

ED Entered STN: 16 Nov 1984

CN Cyclohexaneacetic acid, 1-(aminomethyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1-(Aminomethyl)cyclohexaneacetic acid

CN CI 945

CN Gabapentin

CN Go 3450

CN GOE 2450

CN GOE 3450

CN Neurontin

FS 3D CONCORD

MF C9 H17 N O2

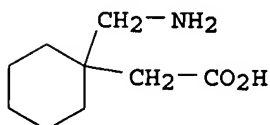
CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, MSDS-OHS, PHAR, PROMT, PROUSDDR, PS, RTECS\*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*, WHO

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1361 REFERENCES IN FILE CA (1907 TO DATE)

45 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1367 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s tannic acid/cn

L2 1 TANNIC ACID/CN

=> d

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 1401-55-4 REGISTRY \*

\* Use of this CAS Registry Number alone as a search term in other STN files may result in incomplete search results. For additional information, enter HELP RN\* at an online arrow prompt (=>).

ED Entered STN: 16 Nov 1984

CN Tannins (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Tannic acids

CN Tannin analysis

OTHER NAMES:

CN AL  
CN AL (tannin)  
CN Arbor Lock 20  
CN Bondtite 345  
CN Bondtite 645  
CN Brewtan  
CN Catechins  
CN Colatan GT 100  
CN Excellence Vintage  
CN F-Tannin  
CN Floctan 1  
CN Floctan 3  
CN Fresh Shiraimatsu FS 500M  
CN FS 500M  
CN Gallotannic acid  
CN Gallotannic acids  
CN Gallotannin  
CN Gallotannins  
CN Hifix SL  
CN Hifix SLA  
CN Kakitafu  
CN Lexsod P  
CN MP-TR  
CN Quertanil  
CN Resorcinex Pecan Tannin 9901L  
CN Sunlife TN  
CN SV 82  
CN Tanal 1  
CN Tanaphen P 500  
CN Tanex RS 93  
CN Tannic acid  
CN Tannic acid AL  
CN Tannic Acid KT  
CN Tannic Acid ME  
CN Tannic Acid X  
CN Tannin  
CN Textan 3  
CN TW 75  
CN UT 10  
CN UT 10 (tannin)  
CN Vitanyl B  
CN Vitanyl IM  
CN Weibull  
DEF Gallic acid derivatives found in nutgalls, bark and other plant parts,  
especially oak bark.  
DR 93615-37-3, 67167-65-1, 61790-06-5, 73891-88-0  
MF Unspecified  
CI COM, MAN, CTS  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA, CAPLUS,  
CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DRUGU, EMBASE, HSDB\*,  
IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, NAPRALERT, RTECS\*,  
TOXCENTER, USAN, USPAT2, USPATFULL, VTB  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

42 REFERENCES IN FILE CA (1907 TO DATE)  
42 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
14.20	14.87

FULL ESTIMATED COST

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FILE COVERS 1907 - 23 Jul 2006 VOL 145 ISS 5  
FILE LAST UPDATED: 21 Jul 2006 (20060721/ED)

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=> s 60142-96-3 and 1401-55-4

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Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L4 43 L3

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L6 1367 L5

L7 0 L6 AND L4

=> s 60142-96-3 and tannic acid

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L9 1367 L8

7931 TANNIC  
4179979 ACID  
6369 TANNIC ACID  
(TANNIC(W) ACID)

L10 5 L9 AND TANNIC ACID

=> d 1-5 ibib abs hitstr

L10 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1005830 CAPLUS

DOCUMENT NUMBER: 143:292591

TITLE: In process conversion method for preparing tannate  
tablet, capsule or other solid dosage forms

INVENTOR(S): Ware, Emily C.; Kiel, Jeffrey S.; Thomas, H. Greg;  
Ware, Brady Neal; Harned, George T.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 6 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005202080	A1	20050915	US 2005-78854	20050311
WO 2005089721	A1	20050929	WO 2005-US7826	20050311
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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PRIORITY APPLN. INFO.: US 2004-552519P P 20040312

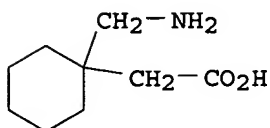
AB The present invention relates generally to the field of tannate chemical and more specifically to methods for processing tannate tablets, capsules, or other solid dosage forms. The present invention provides a novel manufacturing process for the conversion of one or more active pharmaceutical ingredients ("API") into their tannate salt complexes while incorporating the complexes into a therapeutic solid-dosage form which also may include non-tannate APIs. The first step of this process is to create a tannic acid powder blend by combining the salt or free base form of one or more APIs with tannic acid. After the dry blend is thoroughly mixed, a pharmaceutically acceptable liquid is added, for example by spraying, onto the dry powder blend facilitating the tannate salt conversion process. The conversion product is then added to addnl. dry powders thereby reducing the overall liquid content to a level

that is more typical of wet granulation processes.

IT 60142-96-3DP, Gabapentin, tannate complexes  
 RL: PNU (Preparation, unclassified); THU (Therapeutic use); BIOL  
 (Biological study); PREP (Preparation); USES (Uses)  
 (in-process conversion method for preparing tannate tablets or other solid  
 dosage forms)

RN 60142-96-3 CAPLUS

CN Cyclohexanecarboxylic acid, 1-(aminomethyl)- (9CI) (CA INDEX NAME)



L10 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:803929 CAPLUS  
 DOCUMENT NUMBER: 141:301482  
 TITLE: Phenolic acid salts of gabapentin in liquid and/or  
 semi-solid dosage forms and methods of use  
 INVENTOR(S): Kiel, Jeffrey S.; Thomas, H. Greg; Mani, Narasimhan  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 6 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004192618	A1	20040930	US 2004-806260	20040322
WO 2004093867	A2	20041104	WO 2004-US7872	20040316
WO 2004093867	A3	20041202		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1628656	A2	20060301	EP 2004-759602	20040316

R: DE, FR, GB, IT

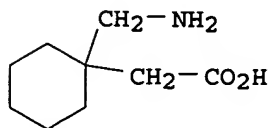
PRIORITY APPLN. INFO.: US 2003-457408P P 20030325  
 WO 2004-US7872 W 20040316

AB The present invention relates to pharmaceutical compns. of gabapentin  
 tannate, processes for production of those compns. and methods of use of those  
 compns. The present invention provides a novel process for preparation of the  
 tannate salt of gabapentin in liquid or semi-solid dosage form for human and  
 veterinary pharmaceutical use. Tannate salts of active pharmaceutical  
 ingredients are used in sustained release applications and to improve  
 certain organoleptic properties such as taste. The process may utilize  
 either natural or synthetic tannic acid.

IT 60142-96-3, Gabapentin  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (phenolic acid salts of gabapentin in liquid and/or semi-solid dosage  
 forms)

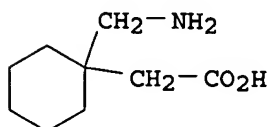


RN 60142-96-3 CAPLUS  
CN Cyclohexaneacetic acid, 1-(aminomethyl)- (9CI) (CA INDEX NAME)



IT 60142-96-3DP, Gabapentin, tannate salts  
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(phenolic acid salts of gabapentin in liquid and/or semi-solid dosage forms)

RN 60142-96-3 CAPLUS  
CN Cyclohexaneacetic acid, 1-(aminomethyl)- (9CI) (CA INDEX NAME)



L10 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:803928 CAPLUS  
DOCUMENT NUMBER: 141:301481  
TITLE: Process for preparing phenolic acid salts of gabapentin  
INVENTOR(S): Kiel, Jeffrey S.; Thomas, H. Greg; Mani, Narasimhan  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl. Publ., 5 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

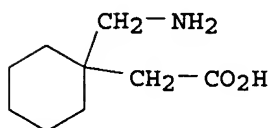
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004192617	A1	20040930	US 2004-806022	20040322
WO 2004093866	A1	20041104	WO 2004-US7871	20040316
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: US 2003-457431P P 20030325

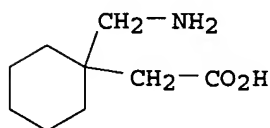
AB The present invention provides a novel process for preparation of the tannate salt of gabapentin for human and veterinary pharmaceutical use. Tannate salts of active pharmaceutical ingredients are used in sustained release applications and to improve certain organoleptic properties such as taste. However, the prior art neither discloses nor suggests the preparation of gabapentin tannate. The process for preparing gabapentin tannate includes

the mixing of gabapentin and tannic acid together in the presence of one or more solvents. The method may further include the step of selecting the one or more solvents from a group consisting of purified water, ethanol, glycerin, propylene glycol, diethylether, methylene chloride, acetone, iso-Pr alc. and mixts. thereof. The process may also include the steps of isolating and purifying the tannate salt. This may be accomplished by filtration, drying, centrifugation and lyophilization. The process may utilize either natural or synthetic tannic acid.

IT 60142-96-3, Gabapentin  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (process for preparing phenolic acid salts of gabapentin)  
 RN 60142-96-3 CAPLUS  
 CN Cyclohexaneacetic acid, 1-(aminomethyl)- (9CI) (CA INDEX NAME)



IT 60142-96-3DP, Gabapentin, tannate salts  
 RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (process for preparing phenolic acid salts of gabapentin)  
 RN 60142-96-3 CAPLUS  
 CN Cyclohexaneacetic acid, 1-(aminomethyl)- (9CI) (CA INDEX NAME)



L10 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:803927 CAPLUS  
 DOCUMENT NUMBER: 141:301480  
 TITLE: Phenolic acid salts of gabapentin in solid dosage forms and methods of use  
 INVENTOR(S): Kiel, Jeffrey S.; Thomas, H. Greg; Mani, Narasimhan  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 5 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004192616	A1	20040930	US 2004-805806	20040322
WO 2004093827	A2	20041104	WO 2004-US8102	20040316
WO 2004093827	A3	20050310		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,  
TD, TG

EP 1622603 A2 20060208 EP 2004-759629 20040316

R: DE, FR, GB, IT

PRIORITY APPLN. INFO.:

US 2003-457399P P 20030325

WO 2004-US8102 W 20040316

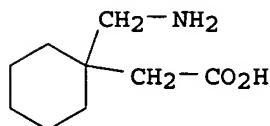
AB The present invention relates to pharmaceutical compns. of gabapentin tannate in solid dosage form, processes for production of those compns. and methods of use of those compns. Tannate salts of active pharmaceutical ingredients are used in sustained release applications and to improve certain organoleptic properties such as taste. The process may utilize either natural or synthetic tannic acid.

IT 60142-96-3, Gabapentin

RL: RCT (Reactant); RACT (Reactant or reagent)  
(phenolic acid salts of gabapentin in solid dosage forms and methods of use)

RN 60142-96-3 CAPLUS

CN Cyclohexaneacetic acid, 1-(aminomethyl)- (9CI) (CA INDEX NAME)

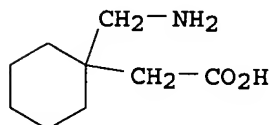


IT 60142-96-3DP, Gabapentin, tannate salts

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(phenolic acid salts of gabapentin in solid dosage forms and methods of use)

RN 60142-96-3 CAPLUS

CN Cyclohexaneacetic acid, 1-(aminomethyl)- (9CI) (CA INDEX NAME)



L10 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:319273 CAPLUS

DOCUMENT NUMBER: 138:326578

TITLE: Process for preparing tannate tablet, capsule or other solid dosage forms

INVENTOR(S): Kiel, Jeffrey S.; Thomas, H. Greg; Mani, Narasimhan

PATENT ASSIGNEE(S): Kiel Laboratories, Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 7 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

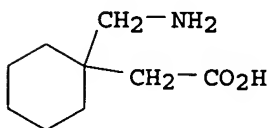
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003077321	A1	20030424	US 2002-269027	20021010

CA 2453256	AA	20031023	CA 2003-2453256	20030226
CA 2469736	AA	20031023	CA 2003-2469736	20030226
WO 2003086356	A1	20031023	WO 2003-US5664	20030226
W: AU, CA, US				
WO 2003086346	A1	20031023	WO 2003-US5667	20030226
W: AU, CA, US				
AU 2003217703	A1	20031027	AU 2003-217703	20030226
AU 2003217704	A1	20031027	AU 2003-217704	20030226
CA 2482013	AA	20040422	CA 2003-2482013	20030409
WO 2004032826	A2	20040422	WO 2003-US10918	20030409
WO 2004032826	A3	20040826		
WO 2004032826	C1	20050210		
W: CA				
RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1622586	A2	20060208	EP 2003-817708	20030409
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, SK				
US 2005069584	A1	20050331	US 2004-505347	20040819
PRIORITY APPLN. INFO.:				
			US 2001-328990P	P 20011012
			US 2002-119285	A 20020409
			US 2002-269027	A 20021010
			WO 2003-US5664	W 20030226
			WO 2003-US5667	W 20030226
			WO 2003-US10918	W 20030409
AB	An active pharmaceutical ingredient is combined with tannic acid to form a tannate salt complex of the active ingredient. The active ingredient tannate salt complex without isolation or purification is then blended with pharmaceutically acceptable excipients to form a granulate which is processed into a tablet or capsule to generate a therapeutic solid dosage form. For example, tablets were prepared containing carbetapentane tannate 60.0 mg, chlorpheniramine tannate 4.0 mg, phenylephrine tannate 10.0 mg, magnesium aluminum silicate 30.0 mg, Avicel PH 102 459.642 mg, Methocel E-10 M 5.0 mg, corn starch 3.0 mg, calcium phosphate dibasic 10.133 mg, xanthan gum 7.875 mg, talc 2.25 mg, FD&C Red #40 0.85 mg, and magnesium stearate 2.25 mg.			
IT	60142-96-3D, Gabapentin, tannate RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (preparation of tannate tablet, capsule or other solid dosage forms)			
RN	60142-96-3 CAPLUS			
CN	Cyclohexaneacetic acid, 1-(aminomethyl)- (9CI) (CA INDEX NAME)			



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